

I CLAIM:

1. A first flush water diverter comprising a T-piece with associated rainwater collection chamber, which T-piece is adapted for connection in a rainwater flow path to intercept the flow of rainwater from a roof into a downpipe or directly to a storage or usage area, said collection chamber including a float which seals on a seat adjacent a T-piece inlet to the collection chamber when the collection chamber is charged with rainwater and having a diameter which is an integral multiple of the diameter of the T-piece inlet, the said collection chamber having a rainwater carrying capacity defined by the formula: **$DF = RA \times PF \times 1000$** where
 - DF** is the rainwater carrying capacity, or diversion factor, measured in litres,
 - RA** is the associated roof area measured in square metres,
 - PF** is the Pollution Factor for the roof location which is determined on sit and varies between 0.0005 for light pollution locations,
 and wherein said collection chamber includes an outlet and associated flow control valve to regulate the flow of diverted rainwater from the collection chamber.
2. A first flush water diverter as claimed in claim 1, wherein the collection chamber is a pvc tube having a diameter of approximately 300mm.
3. A first flush water diverter as claimed in claim 2, wherein the pvc tube has a length of between about 225mm and 2005mm.
4. A first flush water diverter as claimed in claim 1 or claim 2, wherein the collection chamber is adapted for support on a stand or for connection to a wall or post.
5. A first flush water diverter as claimed in claim 1 and wherein a hose connection is fitted to the flow

control valve.

6. A first flush water diverter as claimed in claim 1,
wherein a conical cap connects the T-piece to the
5 collection chamber.

7. A first flush water diverter as claimed in claim 1,
wherein a conical receptacle is fitted to the lower end
of the collection chamber which houses the outlet.
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8. A first flush water diverter as claimed in claim 1,
wherein a filter screen is provided at the outlet.

9. A first flush water diverter as claimed in claim 1,
15 wherein the float is a ball which freely floats on the
surface of the rainwater which collects in the collection
chamber.

10. A first flush water diverter as claimed in claim 1
20 and including a plurality of floating balls within the
collection chamber.